Clinical Informatics Associates (CIA)
IHS EHR Implementation Requirements
to achieve full CPRS functionality
(per site)

- **Software** (Analysis – 20 hours; Installation – 40 hours)
  - FileMan v22.0 – Version 22 is not needed by VueCentric Minimal Build, but is required by many of the ancillary packages installed as part of the MSM Installation Cookbook.
  - Kernel v8.0
  - Kernel Toolkit v7.3
  - Registration/Scheduling v5.0 (PIMS 5.3 not required)
  - All software packages and patches as listed in the MSM Installation Cookbook

- **Hardware**
  - LAN sufficient to support the additional client traffic
  - RPMS Server capable of handling extra load (disk space and processor overhead)
  - NT/Win 2K Server (needs a shared directory, a dedicated server is not required)
  - Client workstation requirements
    - *Economical configuration*
      - CPU: Pentium 120 MHz or 133 MHz (with upgradeable motherboard). In addition to a faster CPU, the 133 MHz CPU has a faster bus speed of 66 MHz, rather than the 60 MHz bus speed of the 120 MHz CPU.
      - RAM: 64 MB RAM
      - OS: Win 98, Win NT (SP5), Win2K, or WinXP
      - BUS: ISA and PCI (typically 3 16-bit ISA and 3 32-bit PCI)
      - Graphics accelerator: PCI bus, SVGA 1024 x 768, 256 colors with 2MB RAM (4MB VRAM or WRAM for fast true color imaging at 1024 x 768 x 24 bit / 16.7 million colors)
      - Monitor: 14 inch, multi-sync, SVGA 1024 x 768 non-interlaced, 0.28 mm or less, Energy Star compliant
      - Keyboard and mouse
      - Disk: 1 GB IDE hard drive
      - Network: 32 bit, PCI bus 10/100 MBPS Fast Ethernet controller card
    - *Higher performance*
      - CPU: Pentium III or AMD Athlon 800 MHz (with upgradeable motherboard)
      - RAM: 256 MB RAM
      - OS: Win2K or WinXP
      - BUS**:** ISA and PCI (typically 3 32-bit PCI and 3 16-bit ISA)
      - Graphics accelerator: PCI bus, SVGA 1024 x 768, 256 colors with 2MB RAM (4MB VRAM or WRAM for fast true color imaging at 1024 x 768 x 24 bit / 16.7 million colors)
      - *Monitor: 17 inch,* multi-sync, SVGA 1024 x 768 *non-interlaced,* 0.28 mm or less, Energy Star compliant, 75 Hz or better refresh for reduced flicker
      - Keyboard and mouse
      - Disk: 1.6 GB-IDE hard drive (2GB for documentors or power users)
      - Network: 32 bit, PCI bus 10/100 MBPS Fast Ethernet controller card

- **Configuration** – 134 hours
  - Pharmacy Orderable Items – involves a thorough review of the existing Drug File and mapping of NDF terms – 40 hours
  - Radiology Package Configuration – 8 hours
  - Laboratory Package Configuration – 8 hours
  - OE/RR Quick Orders – 40 hours

- OE/RR Order Dialogs – 8 hours
- TIU Templates – 16 hours
- Business rules for TIU documents – 2 hours
- Business rules for Order Checking – 2 hours
- OE/RR reports – 2 hours
- User assignment of security keys, electronic signature codes and business classes – 4 hours
- V•CPRS template design – 2 hours
- Business rules for Notification processing – 2 hours

➢ **Training** – 90 hours
- Establish a 'Train the Trainer' program to support ongoing training needs
- OP Pharmacy 7.0 training – 15 hours
- IP Pharmacy training – 15 hours
- Lab training – 4 hours
- Radiology training – 4 hours
- Clinical Coordinator training - 30 hours
- Clinical Support training – 10 hours
- Provider training – 8 hours
- IT support training – 4 hours

➢ **Travel** – Estimated at 3 trips x 2 persons per site @ 4 days each.